



11-06-07

PTO/SB/21 (04-04)

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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# TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

		Application Number	10/757,373
		Filing Date	January 14, 2004
		First Named Inventor	Kazumi HARA
		Art Unit	2826
		Examiner Name	Alexander O. Williams
Total Number of Pages in This Submission		Attorney Docket Number	93191-000647

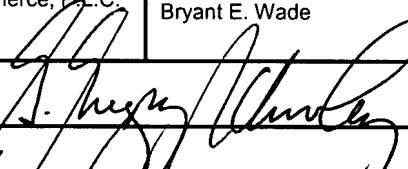
## ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to Technology Center (TC)
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment / Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Request for Refund	<b>Form 1449 with 1 attached reference(s); Acknowledgement Postcard</b>
<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Certified Copy of Priority Document(s)		
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application		
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

## Remarks

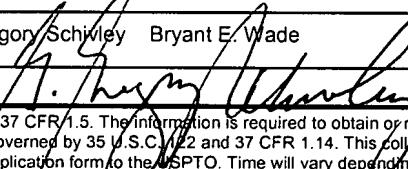
The Commissioner is hereby authorized to charge any additional fees that may be required under 37 CFR 1.16 or 1.17 to Deposit Account No. 50-3213 (Epson R & D). A duplicate copy of this sheet is enclosed.

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Harness, Dickey & Pierce, P.L.C.	Attorney Name G. Gregory Schivley Bryant E. Wade	Reg. No. 27,382 40,344
Signature			
Date	November 5, 2007		

## CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

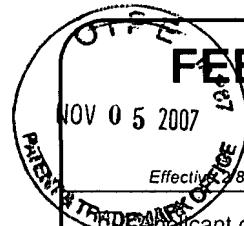
Typed or printed name	G. Gregory Schivley Bryant E. Wade	Express Mail Label No.	EM 061 814 012 US
Signature		Date	November 5, 2007

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 1.22 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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# FEET TRANSMITTAL for FY 2008

Effective 08/2006. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 180

Complete if Known	
Application Number	10/757,373
Filing Date	January 14, 2004
First Named Inventor	Kazumi HARA
Examiner Name	Alexander O. Williams
Art Unit	2826
Attorney Docket No.	9319I-000647

METHOD OF PAYMENT (check all that apply)				FEE CALCULATION (continued)																																									
<input type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money <input type="checkbox"/> Other <input type="checkbox"/> None <input checked="" type="checkbox"/> Deposit Account: Deposit Account Number <input type="text" value="50-3213"/> Deposit Account Name <input type="text" value="Epson R &amp; D"/>				<b>3. ADDITIONAL FEES</b> <table border="1"> <thead> <tr> <th>Large Entity</th> <th>Small Entity</th> </tr> </thead> <tbody> <tr> <td>Fee Code</td> <td>Fee (\$)</td> <td>Fee Code</td> <td>Fee (\$)</td> <td>Fee Description</td> <td>Fee Paid</td> </tr> </tbody> </table>				Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid																														
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The Director is authorized to: (check all that apply) <input checked="" type="checkbox"/> Charge fee(s) indicated below <input type="checkbox"/> Credit any overpayments <input checked="" type="checkbox"/> Charge any additional fee(s) during the pendency of this application <input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.				1051 130 2051 65 SurchARGE - late filing fee or oath 1052 50 2052 25 SurchARGE - late provisional filing fee or cover sheet. 1053 130 1053 130 Non-English specification 1812 2,520 1812 2,520 For filing a request for reexamination 1804 920* 1804 920* Requesting publication of SIR prior to Examiner action 1805 1,840* 1805 1,840* Requesting publication of SIR after Examiner action 1251 120 2251 60 Extension for reply within first month 1252 460 2252 230 Extension for reply within second month 1253 1,050 2253 525 Extension for reply within third month 1254 1,640 2254 820 Extension for reply within fourth month 1255 2,230 2255 1,115 Extension for reply within fifth month 1401 510 2401 255 Notice of Appeal 1402 510 2402 255 Filing a brief in support of an appeal 1403 1,030 2403 515 Request for oral hearing 1452 510 2452 255 Petition to revive - unavoidable 1453 1,540 2453 770 Petition to revive - unintentional 1462 400 1462 400 Petition fee under 37 CFR 1.17(f) 1463 200 1463 200 Petition fee under 37 CFR 1.17(g) 1464 130 1464 130 Petition fee under 37 CFR 1.17(h) 1807 50 1807 50 Processing fee under 37 CFR 1.17 (q) 1806 180 1806 180 Submission of Information Disclosure Stmt 8021 40 8021 40 Recording each patent assignment per property (times number of properties) 1809 810 2809 405 Filing a submission after final rejection (37 CFR § 1.129(a)) 1810 810 2810 405 For each additional invention to be examined (37 CFR § 1.129(b)) 1801 810 2801 405 Request for Continued Examination (RCE) Other fee (specify) _____ *Reduced by Basic Filing Fee Paid <b>SUBTOTAL (3) (\$180)</b>																																									
<b>1. BASIC FILING FEE</b> <table border="1"> <thead> <tr> <th>Large Entity</th> <th>Small Entity</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>1011</td> <td>310</td> <td>2011</td> <td>155</td> <td>Utility filing fee</td> <td><input type="text"/></td> </tr> <tr> <td>1012</td> <td>210</td> <td>2012</td> <td>105</td> <td>Design filing fee</td> <td><input type="text"/></td> </tr> <tr> <td>1013</td> <td>210</td> <td>2013</td> <td>105</td> <td>Plant filing fee</td> <td><input type="text"/></td> </tr> <tr> <td>1014</td> <td>310</td> <td>2014</td> <td>155</td> <td>Reissue filing fee</td> <td><input type="text"/></td> </tr> <tr> <td>1005</td> <td>210</td> <td>2005</td> <td>105</td> <td>Provisional filing fee</td> <td><input type="text"/></td> </tr> </tbody> </table>				Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid	1011	310	2011	155	Utility filing fee	<input type="text"/>	1012	210	2012	105	Design filing fee	<input type="text"/>	1013	210	2013	105	Plant filing fee	<input type="text"/>	1014	310	2014	155	Reissue filing fee	<input type="text"/>	1005	210	2005	105	Provisional filing fee	<input type="text"/>	SUBTOTAL (1) <b>(\$ 0)</b>			
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<b>3. SEARCH/EXAMINATION FEES</b> <table border="1"> <tbody> <tr> <td>1202</td> <td>50</td> <td>2202</td> <td>25</td> <td>Claims in excess of 20</td> <td><input type="text"/></td> </tr> <tr> <td>1201</td> <td>210</td> <td>2201</td> <td>105</td> <td>Independent claims in excess of 3</td> <td><input type="text"/></td> </tr> <tr> <td>1203</td> <td>370</td> <td>2203</td> <td>185</td> <td>Multiple dependent claim, if not paid</td> <td><input type="text"/></td> </tr> <tr> <td>1204</td> <td>210</td> <td>2204</td> <td>105</td> <td>** Reissue independent claims over original patent</td> <td><input type="text"/></td> </tr> <tr> <td>1205</td> <td>50</td> <td>2205</td> <td>25</td> <td>** Reissue claims in excess of 20 and over original patent</td> <td><input type="text"/></td> </tr> </tbody> </table>				1202	50	2202	25	Claims in excess of 20	<input type="text"/>	1201	210	2201	105	Independent claims in excess of 3	<input type="text"/>	1203	370	2203	185	Multiple dependent claim, if not paid	<input type="text"/>	1204	210	2204	105	** Reissue independent claims over original patent	<input type="text"/>	1205	50	2205	25	** Reissue claims in excess of 20 and over original patent	<input type="text"/>	SUBTOTAL (3) <b>(\$180)</b>											
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\*or number previously paid, if greater; For Reissues, see above

SUBMITTED BY		Complete (if applicable)		
Name (Print/Type)	G. Gregory Schivley Bryant E. Wade	Registration No. (Attorney/Agent)	27,382 40,344	Telephone (248) 641-1600
Signature			Date	November 5, 2007

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No. 10/757,373  
Filing Date: January 14, 2004  
Applicant: Kazumi HARA  
Group Art Unit: 2826  
Examiner: Alexander O. Williams  
Title: SEMICONDUCTOR CHIP AND SEMICONDUCTOR WAFER  
INCLUDING A VARIABLE THICKNESS INSULATING LAYER  
Attorney Docket: 9319I-000647

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Director of the United States Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicant hereby submits an Information Disclosure Statement for consideration by the Examiner.

I. LIST OF PATENTS, PUBLICATIONS, AND OTHER INFORMATION

The patents, publications and other information requested to be considered by the Office (except unpublished U.S. patent applications) are listed on Form 1449 attached hereto.

II. COPIES

A.  Submitted herewith is a legible copy of (i) each foreign patent; (ii) each publication or that portion which caused it to be listed, other than U.S. patents and U.S. patent application publications unless required by the Office; (iii) each unpublished U.S. application listed below in Section IV (i.e., including the specification, claims, and any drawing of the application, or that portion of the application which caused it to be listed, including any claims directed to that portion), except for such applications filed on or after June 30, 2003, pursuant to the Waiver of the Copy Requirement in 37 C.F.R. 1.98 (OG Notice dated October 19, 2004); and (iv) all other information or that portion which caused it to be listed.

11/07/2007 RFEKADU1 00000002 503213 10757373

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B.  Any patents, publications or other information which are listed on Form 1449 or on the copies of PTO-892, but which are not enclosed herewith, were previously cited by or submitted to the PTO in one of the following applications which has been relied upon for an earlier filing date under 35 U.S.C. § 120:

U.S. Serial Number

U.S. Filing Date

C.  This is a PCT application in the entry of the National Phase in the United States. A copy of the International Search Report is attached for the Examiner's information. The documents listed on the International Search report are listed on the attached Form 1449 for consideration by the Examiner and for listing on any patent resulting from this application. If the International Search report was from the US, EPO, or JPO search authorities, copies of these references should have been supplied to the USPTO under the trilateral agreement and are believed to be in the file of the above-identified application. (MPEP 1893.03(g).)

III. CONCISE EXPLANATION OF THE RELEVANCE (check at least one box)

A.  Except as may be indicated below in (B), all of the patents, publications or other information are in the English language (concise explanation not required).

B.  A concise explanation of the relevance of each patent, publication or other information listed that is not in the English language is as follows (see 37 C.F.R. § 1.98(a)(3)):

1.  See the attached foreign patent office communication from a counterpart foreign application: \_\_\_\_\_.
2.  English translations are provided: as indicated on the attached Form HDP-1499.
3.  Other:

C.  The following additional information is provided for the Examiner's consideration.

US 6,667,551 and 6,852,621 correspond to JP 2001-203316.

IV. CROSS REFERENCE TO RELATED APPLICATION(S)

A.  The Examiner is advised that the following co-pending application(s) contain(s) subject matter that may be related to the present application. By bringing this(these) application(s) to the Examiner's attention, Applicant(s) does (do) not waive the confidentiality provisions of 35 U.S.C. § 122.

Serial No.

Filing Date

Art Unit

Serial No.

Filing Date

Art Unit

V. THIS IDS IS BEING FILED UNDER

A.  **37 C.F.R. § 1.97(b):** (check only one box)

1.  within three months of the filing date of a national application other than a continued prosecution application under § 1.53(d) (37 C.F.R. § 1.97(b)(1)). No fee or certification is required.
2.  within three months of the date of entry of the national stage as set forth in § 1.491 in an international application (37 C.F.R. § 1.97(b)(2)). No fee or certification is required.
3.  before the mailing of a first Office Action on the merits (37 C.F.R. § 1.97(b)(3)). No fee or certification is required. In the event that a first Office Action on the merits has been issued, please consider this IDS under 37 C.F.R. § 1.97(c) and see the certification under 37 C.F.R. § 1.97(e) below; or, if no certification has been made, charge our deposit account a fee in the amount of \$180.00 as required by 37 C.F.R. § 1.17(p).
4.  before the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. § 1.114. No fee or certification is required.

B.  **37 C.F.R. § 1.97(c):** (check only one box)

before the mailing date of either any Final Office Action under 37 C.F.R. § 1.113, a Notice of Allowance under 37 C.F.R. § 1.311, or an action that otherwise closes prosecution.

1.  No certification; therefore, a fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).
2.  See the certification below. No fee is required.

C.  **37 C.F.R. § 1.97(d):**

after the mailing date of either a Final Office Action under 37 C.F.R. § 1.113 or a Notice of Allowance under 37 C.F.R. § 1.311, yet on or before payment of the issue fee.

1.  See the certification below. A fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).

VI. CERTIFICATION UNDER 37 C.F.R. § 1.97(e): (check only one box)

The undersigned hereby certifies that:

A.  each item of information contained in this IDS was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(1)). See further statement under 37 C.F.R. 1.704(d) below in section VII, if applicable; or

B.  no item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(2)).

C.  some of the items of information were first cited in a communication from a foreign patent office. As to this information, the undersigned hereby certifies that each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby certifies that no item of this remaining information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS.

VII. STATEMENT UNDER 37 C.F.R. 1.704(d)

The undersigned hereby states that:

each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this IDS.

VIII. PAYMENT OF FEES (check only one box, if applicable)

A.  A check in the amount of \$180.00 is enclosed for the above-identified fee.

B.  Please charge Deposit Account No. 50-3213 in the amount of \$180.00 for the above-identified fee.

Please charge any additional fees or credit any overpayment pursuant to 37 C.F.R. §1.16 or §1.17 to Deposit Account No. 50-3213 (Epson R&D).

The above references are being cited only in the interest of candor and without any admission that they constitute statutory prior art, contain matter which anticipates the invention, or which would render the same obvious, either singly or in

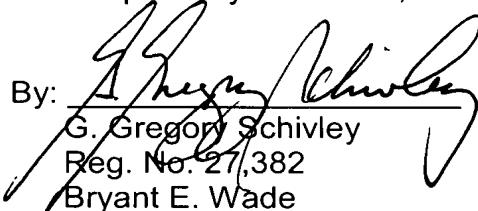
combination, to a person of ordinary skill in the art. Furthermore, this Information Disclosure Statement shall not be construed as a representation that a search has been made.

If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule (with a petition if necessary) and charge the appropriate fee to Deposit Account No. 50-3213 (Epson R&D).

Dated: November 5, 2007

Respectfully submitted,

By:

  
G. Gregory Schivley  
Reg. No. 27,382

  
Bryant E. Wade  
Reg. No. 40,344

Harness, Dickey & Pierce, P.L.C.  
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GGS/BEW/jmz